

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 11032164 A

(43) Date of publication of application: 02.02.99

(51) Int. Cl

H04N 1/00

H04N 1/00

G03G 15/00

H04N 1/10

H04N 1/107

H04N 1/04

(21) Application number: 09183348

(71) Applicant:

RICOH CO LTD

(22) Date of filing: 09.07.97

(72) Inventor:

COPYRIGHT: (C)1999,JPO

HARADA MICHIYA

(54) IMAGE READER

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an image reader capable of quickening the throughput of read, simplifying a carrying route, reducing the possibility of damaging or breaking an original, simplifying a structure, improving assemblability and having a small size without becoming expensive.

SOLUTION: This image reader is provided with an automatic sheet original feed means 2, a first read means 1 for reading the front surface of a sheet original and a second read means 3 for reading the back surface of the original. In this case, a sheet original read mode for reading images while feeding the original to a prescribed read position on a contact glass 6 and a book mode for mounting the thick original of a book original or the like on the contact glass 6 and reading the images while moving the first read means 1 are selected and the second read means 3 is integrally mounted to the first read back surface plate 23 of the first read means 1.

